

**BRUHATH BANGALORE MAHANAGARA PALIKE**  
**Name of Work: Construction of drain at selected reaches in ward no 16 Jalahalli**

Estimate: 20.00 lakhs

| SI No | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No      | Dimensions |      |       | Qty    | Rate    | Unit | Amount |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|------|-------|--------|---------|------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | L          | B    | D     |        |         |      |        |
| 1     | KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. Pg No:6 It No:2.3 |         |            |      |       |        |         | Cum  |        |
|       | For new drain                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |            |      |       |        |         |      |        |
|       | 5th Cross (RCC Drain)                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2       | 117.50     | 1.20 | 0.90  | 253.80 |         |      |        |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |            |      | Total | 253.80 |         |      |        |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 299.00  |            |      |       |        |         |      |        |
|       | Area weightage 6%                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 17.94   |            |      |       |        |         |      |        |
|       | Loading & unloading + Add 15km lead (1.28*2*15km)                                                                                                                                                                                                                                                                                                                                                                                                                  | 38.40   |            |      |       |        |         |      |        |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 355.34  |            |      |       | 253.80 | 355.34  |      | 90185  |
| 2     | KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 Pg No:13 It No:4.3 |         |            |      |       |        |         | Cum  |        |
|       | 5th Cross (RCC Drain)                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2       | 117.50     | 1.00 | 0.15  | 35.25  |         |      |        |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |            |      | Total | 35.25  |         |      |        |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5102.00 |            |      |       |        |         |      |        |
|       | Area Weightage 6%                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 306.12  |            |      |       |        |         |      |        |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5408.12 |            |      |       | 35.25  | 5408.12 |      | 190636 |

| Sl No | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No       | Dimensions |      |       | Qty   | Rate     | Unit  | Amount    |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|------|-------|-------|----------|-------|-----------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | L          | B    | D     |       |          |       |           |
| 3     | Providing and laying lain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.- do- Wall & bottom thickness 15cm Pg No:271 It No:37.59.2 |          |            |      |       |       |          | Cum   |           |
|       | 5th Cross (RCC Drain)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2        | 117.50     | 0.90 | 0.15  | 31.73 |          |       |           |
|       | Wall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4        | 117.50     | 0.15 | 0.60  | 42.30 |          |       |           |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |            |      | Total | 74.03 |          |       |           |
|       | Area Weightage 6%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6670.00  |            |      |       |       |          |       |           |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 400.2    |            |      |       |       |          |       |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7070.20  |            |      |       | 74.03 | 7070.20  |       | 523372    |
| 4     | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 - do - TMT bars Fe 500 Pg No:18 It No:4.46.2                                                                                          |          |            |      |       |       |          | Tonne |           |
|       | 5th Cross (RCC Drain)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |            |      |       |       |          |       |           |
|       | 70kg/cum of Qty Vide It No.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |      |       | 5.18  |          |       |           |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 70966.00 |            |      | Total | 5.18  |          |       |           |
|       | Area Weightage 6%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4257.96  |            |      |       |       |          |       |           |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 75223.96 |            |      |       | 5.182 | 75223.96 |       | 389660.00 |

| Sl No                        | Description                                                                                                                                                                       | No     | Dimensions |      |   | Qty     | Rate   | Unit | Amount  |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|------|---|---------|--------|------|---------|
|                              |                                                                                                                                                                                   |        | L          | B    | D |         |        |      |         |
| 5                            | Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.- do - 7.5 cms thick Sl No.5.31.1 Page Num 25 |        |            |      |   |         |        | Cum  |         |
|                              | Covering                                                                                                                                                                          | 2      | 117.50     | 1.00 |   |         |        |      |         |
|                              | Basic Rate                                                                                                                                                                        | 700.00 |            |      |   | 235.00  |        |      |         |
|                              | Area weightage 6%                                                                                                                                                                 | 42.00  |            |      |   |         |        |      |         |
|                              | Total                                                                                                                                                                             | 742.00 |            |      |   | 235.00  | 742.00 |      | 174370  |
| 6                            | Providing chamfering edges to stone slab 2.5 cms wide as per specifications (Only chamfering length shall be recorded) Pg No.24 It No:5.22                                        |        |            |      |   |         |        | m    |         |
|                              | Basic Rate                                                                                                                                                                        | 460    | 3.20       |      |   | 1472.00 |        |      |         |
|                              | Area weightage 6%                                                                                                                                                                 | 58.00  |            |      |   |         |        |      |         |
|                              | Total                                                                                                                                                                             | 3.48   |            |      |   | 1472.00 | 61.48  |      | 90499   |
| 7                            | Providing one line dressing to granite stone slab / granite sone masonry as per specifications. Pg No:24 It No:5.17                                                               |        |            |      |   |         |        | Sqm  |         |
|                              | Covering                                                                                                                                                                          | 2      | 117.50     | 1.00 |   | 235.00  |        |      |         |
|                              | Basic Rate                                                                                                                                                                        | 897.00 |            |      |   | 235.00  |        |      |         |
|                              | Area weightage 6%                                                                                                                                                                 | 53.82  |            |      |   |         |        |      |         |
|                              | Total                                                                                                                                                                             | 950.82 |            |      |   | 235.00  | 950.82 |      | 223443  |
| Sub Total                    |                                                                                                                                                                                   |        |            |      |   |         |        |      | 1682165 |
| TP 5%                        |                                                                                                                                                                                   |        |            |      |   |         |        |      | 84108   |
| Sub Total                    |                                                                                                                                                                                   |        |            |      |   |         |        |      | 1766273 |
| GST 12%                      |                                                                                                                                                                                   |        |            |      |   |         |        |      | 211953  |
| PMC 1%                       |                                                                                                                                                                                   |        |            |      |   |         |        |      | 17663   |
| Miscellaneous & Rounding off |                                                                                                                                                                                   |        |            |      |   |         |        |      | 4111    |
| Grand Total                  |                                                                                                                                                                                   |        |            |      |   |         |        |      | 2000000 |

#### CERTIFICATE

- 1 The work spot have been inspected by me and work is found to be necessary.
- 2 This estimate is prepared as per CSR of 2018-19
- 4 The provisions were made in this estimate are adequate and essential
- 5 This works comes under BBMP Limits

Asst.Engineer  
Ward No.16  
B.B.M.P

Asst.Executive Engineer  
Yeshwanthapura Sub Division  
B.B.M.P.

Executive Engineer  
R. R. Nagara Division  
B.B.M.P.

no.: 346  
date: 16/8/2020  
do. 20.00 lacs & Twenty  
lacs only  
ಅಂದಾಜು ಮೌಲ್ಯ 20.00 ಲಕ್ಷ ಮತ್ತು  
ಇನ್ನೂರು ರೂಪಾಯಿಗಳು

no.: 114  
date: 16/8/20  
do. 20.00 lacs & Twenty  
lacs only  
ಈ ಅಂದಾಜು ಮೌಲ್ಯ 20.00 ಲಕ್ಷ ಮತ್ತು  
ಇನ್ನೂರು ರೂಪಾಯಿಗಳು